

## ABSTRACT OF THE DISCLOSURE

A method and apparatus for enabling access to an interface is provided. In an embodiment, a

process is provided for examining the description of a particular user interface to generate a

5 projection of the user interface that provides user interface mechanisms not described by the description. The user may interact with the user interface mechanisms to access functions and content that is otherwise available through the particular user interface. For example, a web page contains code written in HTML. The HTML code defines user controls which are displayed to a user and which may be manipulated by the user with a mouse to access

10 functionality provided by the GUI. The techniques described herein may be used to generate an audio projection of the GUI, and in particular, to generate a user interface through which the user may access functionality and content of the GUI using audio modalities, to hear the GUI's content, and to access its functions using commands conveyed by the user audibly.

The projections are accomplished through the use of code modules that (1) describe how to  
15 examine the description of a user interface to generate a projection of it, and (2) that define macros associated with instructions and user commands that may be used to invoke the macros. The instructions specify operations to perform with respect to the user interface and/or its description.